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Relevance scale ☐ ☐ ☐ ☐ ☐**1 Fortran 8X draft**

Loren P. Meissner

December 1989 **ACM SIGPLAN Fortran Forum**, Volume 8 Issue 4**Publisher:** ACM PressFull text available: pdf(21.36 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Standard Programming Language Fortran. This standard specifies the form and establishes the interpretation of programs expressed in the Fortran language. It consists of the specification of the language Fortran. No subsets are specified in this standard. The previous standard, commonly known as "FORTRAN 77", is entirely contained within this standard, known as "Fortran 8x". Therefore, any standard-conforming FORTRAN 77 program is standard conforming under this standard. New features can b ...

2 Environmental inquiry and general precision data type features for the next fortran standard

Brian T. Smith

January 1981 **Proceedings of the ACM '81 conference****Publisher:** ACM PressFull text available: pdf(573.25 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The X3J3 Fortran committee has begun preparing the next draft proposed standard for Fortran. This paper summarizes the committee's progress on two enhancements to Fortran that will aid in the preparation of numerical software; namely, an environmental inquiry feature for arithmetic data types, and a general precision floating point data type facility.

3 Fortran 8X abridgement

S. Miyawaki

December 1987 **ACM SIGPLAN Fortran Forum**, Volume 6 Issue 3**Publisher:** ACM PressFull text available: pdf(1.50 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Shortly after the acceptance of ANSI X3. 9-1978 (FORTRAN 77) on April 3, 1978, a project proposal for the next Fortran standard was prepared and in 1979 the development cycle for Fortran 8x began. ANSI X3J3 Technical Committee, Fortran (X3J3) is responsible for producing an American standard Fortran language and the International Standards Organization, Working Group 5 (WG5) is responsible for producing an international

standard. Since X3J3 had been involved with the technical development, WG5 b ...

4 Errata, amendments and interpretations for the Fortran 90 standards document



Jerrold L. Wagener

March 1993 **ACM SIGPLAN Fortran Forum**, Volume 12 Issue 1

Publisher: ACM Press

Full text available: pdf(2.60 MB)

Additional Information: [full citation](#), [index terms](#)



5 Clarification of Fortran standards—second report



C. Kerpelman

October 1971 **Communications of the ACM**, Volume 14 Issue 10

Publisher: ACM Press

Full text available: pdf(1.84 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)



In 1966, after four years of effort, Fortran became the first programming language standardized in the United States. Since that initial achievement, study and application of the standard specifications have revealed the need for maintenance of the standards. As the result of work initiated in 1967, an initial set of clarifying interpretations was prepared and this clarification was published in Communications of the ACM in May 1969. That work has continued and has resulted in the preparati ...

Keywords: American National Standard, Basic Fortran, Fortran, language standard clarification, language standard interpretation, language standard maintenance, language standard specification, programming language, standardization, standardization committee

6 John Reid Reports



John Reid

January 1989 **ACM SIGPLAN Fortran Forum**, Volume 8 Issue 1

Publisher: ACM Press

Full text available: pdf(661.39 KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)



For the moment, the Committee is in deadlock. All formal proposals require that at least half the Committee members (21) vote 'yes' and that there are at least twice as many 'yes' votes as 'no' votes. We need a proposal (or rather set of proposals) that will not be unacceptable to a third of the members because it removes too much of the present language or unacceptable to a third because it does not simplify the language enough. The Chairman has charged members to prepare proposals for the next ...

7 Sequential thematic organization of publications: how to achieve coherence in proposals and reports



J. R. Tracey, D. E. Rugh, W. S. Starkey

August 1999 **ACM SIGDOC Asterisk Journal of Computer Documentation**, Volume 23 Issue 3

Publisher: ACM Press

Full text available: pdf(3.80 MB)

Additional Information: [full citation](#), [index terms](#)



8 High performance Fortran language specification



CORPORATE Rice University

December 1993 **ACM SIGPLAN Fortran Forum**, Volume 12 Issue 4

Publisher: ACM Press



Full text available:  [pdf\(5.69 MB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

(PART I)Fortran Forum is reprinting this High Performance Fortran Language Specification over several issues. The current issue is devoted to the first four chapters of the HPFF Language Specification. Remaining chapters of the HPFF Language Specification, and the HPFF Journal of Development, will be printed in installments in future issues of Fortran Forum.

9 Text-editing and photocomposing APL publications



Arlene E. Azzarello

September 1981 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL APL '81**, Volume 12 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(756.42 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Producing APL publications in a readable, pleasing, printed format is a challenging and time-consuming task. In an effort to get away from publishing APL documentation reproduced from typewriter terminal or line-printed output, I. P. Sharp Associates experimented with an interface between an APL text editor and a commercial photocomposing typesetter. Producing the Sharp APL Reference Manual [1] revealed some fundamental design issues which must be considered when constructi ...

10 FORTRAN vs. Basic FORTRAN: a programming language for informational processing on automatic data processing systems



October 1964 **Communications of the ACM**, Volume 7 Issue 10

Publisher: ACM Press

Full text available:  [pdf\(3.90 MB\)](#) Additional Information: [full citation](#), [citations](#)

11 Data Security



Dorothy E. Denning, Peter J. Denning

September 1979 **ACM Computing Surveys (CSUR)**, Volume 11 Issue 3

Publisher: ACM Press

Full text available:  [pdf\(1.97 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)


12 Toward a logical/physical theory of spreadsheet modeling



Tomás Isakowitz, Shimon Schocken, Henry C. Lucas

January 1995 **ACM Transactions on Information Systems (TOIS)**, Volume 13 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(2.76 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

In spite of the increasing sophistication and power of commercial spreadsheet packages, we still lack a formal theory or a methodology to support the construction and maintenance of spreadsheet models. Using a dual logical/physical perspective, we identify four principal components that characterize any spread sheet model: schema, data, editorial, and binding. We present a factoring algorithm for identifying and extracting these components ...

Keywords: model management

13

Curriculum 68: Recommendations for academic programs in computer science: a

◆ report of the ACM curriculum committee on computer science

William F. Atchison, Samuel D. Conte, John W. Hamblen, Thomas E. Hull, Thomas A. Keenan, William B. Kehl, Edward J. McCluskey, Silvio O. Navarro, Werner C. Rheinboldt, Earl J. Schweppe, William Viavant, David M. Young

March 1968 **Communications of the ACM**, Volume 11 Issue 3

Publisher: ACM Press

Full text available:  [pdf\(6.63 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#)

Keywords: computer science academic programs, computer science bibliographies, computer science courses, computer science curriculum, computer science education, computer science graduate programs, computer science undergraduate programs


14 Structured hypertext with domain semantics



◆ Weigang Wang, Roy Rada

October 1998 **ACM Transactions on Information Systems (TOIS)**, Volume 16 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(593.99 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

One important facet of current hypertext research involves using knowledge-based techniques to develop and maintain document structures. A semantic net is one such technique. However, most semantic-net-based hypertext systems leave the linking consistency of the net to individual users. Users without guidance may accidentally introduce structural and relational inconsistencies in the semantic nets. The relational inconsistency hinders the creation of domain information models. The structural ...


Keywords: graph theory, hypertext models, hypertext structures

15 Proceedings of the SIGNUM conference on the programming environment for development of numerical software



◆ March 1979 **ACM SIGNUM Newsletter**, Volume 14 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(5.02 MB\)](#) Additional Information: [full citation](#)

16 Conjunctive constraint mapping for data translation



◆ Chen-Chuan K. Chang, Hector Garcia-Molina

May 1998 **Proceedings of the third ACM conference on Digital libraries**

Publisher: ACM Press

Full text available:  [pdf\(1.35 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)


17 Status of work toward revision of programming language Fortran



◆ Jerrold L. Wagener


July 1984 **ACM SIGNUM Newsletter , ACM SIGPLAN Fortran Forum**, Volume 19 , 3 Issue 3 ,

Publisher: ACM Press

Full text available:  [pdf\(1.75 MB\)](#) Additional Information: [full citation](#)

18 Non-hierarchical document clustering using the ICL distribution array processor

E. Rasmussen, P. Willett

November 1987 **Proceedings of the 10th annual international ACM SIGIR conference on Research and development in information retrieval****Publisher:** ACM PressFull text available:  [pdf\(686.56 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper considers the suitability and efficiency of a highly parallel computer, the ICL Distributed Array Processor (DAP), for document clustering. Algorithms are described for the implementation of the single-pass and reallocation clustering methods on the DAP and on a conventional mainframe computer. These methods are used to classify the Cranfield, Vaswani and UKCIS document test collections. The results suggest that the parallel architecture of the DAP is not well suited to the varia ...

19 The European side of the last phase of the development of ALGOL 60

Peter Naur

January 1978 **ACM SIGPLAN Notices , The first ACM SIGPLAN conference on History of programming languages HOPL-1**, Volume 13 Issue 8**Publisher:** ACM PressFull text available:  [pdf\(3.05 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In preparing this account of some of the developments leading to ALGOL 60 I have primarily sought to present such relevant information that is readily available to myself, but not otherwise accessible or well known. In addition I have tried to answer the specific questions formulated by the organizers of the Conference on the History of Programming Languages. The notes fall in three freely intermixed groups: those that relate to existing documents, those that reflect my own reasoning as a p ...

20 Fortran 8X—the draft Fortran standard revision

J. Adams, J. Reid

October 1987 **ACM SIGPLAN Fortran Forum**, Volume 6 Issue 2**Publisher:** ACM PressFull text available:  [pdf\(563.57 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

A revision (Fortran 8x) of the current Fortran Standard (Fortran 77), has been forwarded by X3J3, the Fortran Standards Committee, to X3, the Committee on Information Processing under the American National Standards Institute (ANSI). At the same time, an international group of Fortran experts (Working Group 5 of Subcommittee 22 under the International Standards Organization (ISO)) has also approved further processing of the draft revision.

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